

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently Amended): A radiation detector with a manipulation grip,
comprising:

a main body portion including:

a radiation detecting portion having a radiation detection probe disposed at a first end of the manipulation grip for detecting a radiation intensity, a radiation detection element being provided in the radiation detection probe and being a semiconductor element for generating a voltage pulse signal having a pulse height value corresponding to the energy of the radiation photon; and

a liquid crystal display portion being disposed near the first end of the manipulation grip,

a control unit provided near the first end of the manipulator grip, for processing the voltage pulse signal from the radiation detection element, and

a power supply switch electrically connected to the control unit and provided near the first end of the manipulation grip for switching over power supply to the control;

a detachable portion with respect to the main body portion, the detachable portion being disposed at a second end of the manipulation grip and including:

a sound output portion having a speaker for outputting a sound according to the radiation intensity detected by the radiation detecting portion, and

a power supply portion for supplying power at least to the radiation detecting portion ~~and~~,
the sound output portion and the control unit.

Claims 2-4 (Canceled).

Claim 5 (Previously Presented): The radiation detector according to Claim 1, wherein
the sound output portion includes a connection connector to be detachably connected to a
connection connector of the main body, and is configured to be detachable from the main body
via the connection connector.

Claims 6-8 (Canceled).

Claim 9 (Previously Presented): The radiation detector according to Claim 1, wherein
the sound output portion is detachably screwed to the main body.

Claims 10-12 (Canceled).

Claim 13 (Previously Presented): The radiation detector according to Claim 1, wherein
the sound output portion includes an engagement portion to detachably engage an
engagement portion of the main body, and is configured to be detachable from the main body via
the engagement portion.

Claims 14-20 (Canceled).

Claim 21 (New): The radiation detector according to Claim 1, wherein a longitudinal direction of the radiation detection probe is inclined with respect to a longitudinal direction of the manipulation grip.